AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

1. (Currently Amended) A scrubber for the cleaning of gases, comprising:

a scrubber tower; ~~containing several~~

a plurality of scrubber stages [[(1-4)]], ~~where the scrubber stages are~~ each arranged in [[a]] the scrubber tower with [[the]] different ones of the plurality of scrubber stages at different levels above each other in the scrubber tower, ~~characterised in that~~

wherein at least one of the plurality of scrubber stages [[(2-4)]] above [[the]] a lowest one of said plurality of scrubber ~~stage (1)~~ stages comprises a ring-shaped fluid storage tank [[(10, 15, 20)]] arranged inside the scrubber tower~~, which ring-shaped tank (10, 15, 20)~~ and is arranged surrounding a central channel [[(9, 14, 19)]] through which the gas that is to be cleaned can pass upwards.

2. (Currently Amended) The scrubber according to claim 1, wherein ~~characterised in that all~~ each of the plurality of scrubber stages [[(2-4)]] above the lowest of the plurality of

scrubber ~~stage (1) comprise a~~ stages comprises the ring-shaped fluid storage tank [[(10, 15, 20)]] located inside of the scrubber tower.

3. (Currently Amended) The scrubber according to claim 1, further comprising ~~characterised in that at each stage (1-4) of the scrubber~~ a circulation pump ~~(27, 30, 34) is~~ at each of the plurality of scrubber stages and arranged to feed fluid through feed pipes ~~(29, 33, 37) fluid~~ present in the corresponding ring-shaped fluid storage tank from the corresponding ring-shaped fluid storage tank [[(7, 10, 15, 20)]] at the bottom of the scrubber stage to spray beams [[(8, 13, 18,23)]] arranged at the upper part of the scrubber stage [[(1-4)]] for distribution over the cross-section of the scrubber in a direction against the up-wards gas flow.

4. (Currently Amended) The scrubber according to claim 3, further comprising ~~characterised in that~~ a separation trough at the bottom of each of the plurality of stages ~~stage~~ of the scrubber [[(2-4)]] above the lowest one of the plurality of scrubber stages and ~~a separation trough (11, 16, 21) is~~ arranged separating the ~~scrubber~~ fluid from the upwards flowing gas, and leading the ~~scrubber~~ fluid to the ring-shaped fluid storage tank [[(10, 15, 20)]].

5. (Currently Amended) The scrubber according to claim 4, wherein ~~characterised in that~~ the separation trough [[(11, 16, 21)]] comprises obliquely placed laminae [[(25)]] leading the ~~scrubber~~ fluid that arrives from one of the plurality of scrubber stages disposed above the separation trough to trough channels [[(26)]] arranged under the laminae, ~~which~~ and the trough channels lead the ~~scrubber~~ fluid onwards to the corresponding ring-shaped fluid storage ~~tanks~~ tank.

6. (Currently Amended) The scrubber according to claim 3, wherein ~~characterised in that~~ the circulation pump [[(27, 30)]] is arranged connected to the corresponding ring-shaped fluid storage tank and located at essentially the same level as the ring-shaped fluid storage tank.

7. (Currently Amended) The scrubber according to claim 6, wherein ~~characterised in that~~ the circulation pump [[(30)]] is arranged outside of the corresponding ring-shaped fluid storage tank [[(15)]] and outside of the scrubber tower, and is connected by means of an inlet pipe [[(32)]] to a connection [[(17)]] on the corresponding ring-shaped fluid storage tank [[(15)]].

8. (Currently Amended) The scrubber according to claim 6, further comprising ~~characterised in that~~ a pump tank [[(28) is]] arranged outside of the corresponding ring-shaped fluid storage tank [[(10)]] and outside of the scrubber tower and directly connected to the corresponding ring-shaped fluid storage tank [[(10)]] through a connection [[(12)]], and [[that]] the circulation pump [[(27)]] is arranged in or connected to the pump tank [[(28)]].

9. (Currently Amended) The scrubber according to claim 3, wherein ~~character s in that~~ the circulation pump [[(34)]] is arranged on the ground outside of the corresponding ring-shaped fluid storage tank [[(15)]] and outside of the scrubber tower, and connected by means of an inlet pipe [[(36)]] to a connector [[(17)]] on the corresponding ring-shaped fluid storage tank [[(15)]].

10. (Currently Amended) The scrubber according to claim [[1]] 3, wherein ~~characterised in that~~ the feed pipe ~~(29, 37) for~~ feeding the ~~scrubber~~ fluid to the ~~nozzle~~ spray beams [[(8, 13, 18, 23)]] is located inside [[the]] an outer surface [[(5)]] of the scrubber tower.

11. (Currently Amended) The scrubber according to claim 2, further comprising ~~characterised in that at each stage (1-4) of the scrubber~~ a circulation pump ~~(27, 30, 34) is~~ at each of the plurality of scrubber stages and arranged to feed fluid through feed pipes ~~(29, 33, 37) fluid~~ present in the corresponding ring-shaped fluid storage tank from the corresponding ring-shaped fluid storage tank [[(7, 10, 15, 20)]] at the bottom of the scrubber stage to spray beams [[(8, 13, 18,23)]] arranged at the upper part of the scrubber stage [[(1-4)]] for distribution over the cross-section of the scrubber in a direction against the up-wards gas flow.

12. (Currently amended) The scrubber according to claim 4, wherein ~~characterised in that~~ the circulation pump [[(27, 30)]] is ~~arranged~~ connected to the corresponding ring-shaped fluid storage tank and located at essentially the same level as the corresponding ring-shaped fluid storage tank.

13. (Currently Amended) The scrubber according to claim 5, wherein ~~characterised in that~~ the circulation pump [[(27, 30)]] is ~~arranged~~ connected to the corresponding ring-shaped fluid storage tank and located at essentially the same level as the corresponding ring-shaped fluid storage tank.

14. (Currently Amended) The scrubber according to claim 4, wherein ~~character s in that~~ the circulation pump [[(34)]] is arranged on [[the]] ~~a~~ ground outside of the corresponding ring-shaped fluid storage tank [[(15)]] and outside of the scrubber tower, and connected by means of an inlet pipe [[(36)]] to a connector [[(17)]] on the corresponding ring-shaped fluid storage tank [[(15)]].

15. (Currently Amended) The scrubber according to claim 5, wherein ~~character s in that~~ the circulation pump [[(34)]] is arranged on [[the]] a ground outside of the corresponding ring-shaped fluid storage tank [[(15)]] and outside of the scrubber tower, and connected by means of an inlet pipe [[(36)]] to a connector [[(17)]] on the corresponding ring-shaped fluid storage tank [[(15)]].